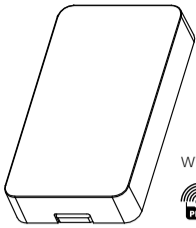




**WATER LEAK XS SENSOR**  
ZSE42 800LR



www.getzooz.com  
Z-WAVE PLUS LR FC S2

**FEATURES**

- Quick and reliable water leak alerts sent to your Z-Wave® hub
- NEW 800 series chip for faster communication and more battery life than ever
- Extra small to fit anywhere
- Z-Wave® Long Range for ultra reliable no-mesh communication
- The latest S2 security and SmartStart for secure set-up
- Supports OTA firmware updates

**SPECIFICATIONS**

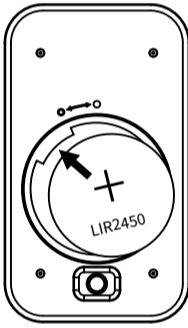
- Model Number: ZSE42 800LR
- Power: 1 x CR2450 battery
- Operating Temperature: 32° – 104° F
- Range: Up to 130 feet line of sight (up to 1300 ft with Long Range)
- Installation and Use: Indoor or outdoor under eave (can't be exposed to direct rainfall or sun, a little splash is OK)
- Dimensions: 2.4" x 1.4" x 0.4"

**INSTALLATION**

**1. INSTALL THE BATTERY**

Use the included round tool to gently twist the battery cover to the left to open it. Insert the battery with positive + side UP, sliding it under the holding block as shown in the image below:

Close the cover with the same round tool by twisting it gently to the right. The LED indicator on the front of the sensor (top right corner) will start blinking for around 10 seconds once the sensor is powered.

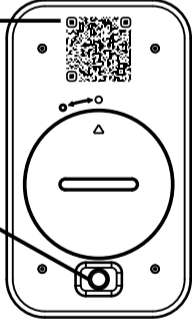


**The LED indicator doesn't blink or light up at all?**

- Make sure the battery is inserted correctly per the positive / negative pole marks.
- Try a fresh lithium non-rechargeable battery.
- Click the Z-Wave® button 3 times as quickly as possible to force inclusion/exclusion mode in case you missed when it first flashed.

**SCAN QR CODE**  
FOR SMARTSTART INCLUSION

**Z-WAVE® BUTTON**  
3 x CLICK TO PAIR



**Z-WAVE® CONTROL**

**1. ADD DEVICE to your hub**

**Initiate inclusion (pairing)** in the app (or web interface). Not sure how? ask@getzooz.com  
If you're using an S2 hub, it will ask you to enter the DSK PIN or scan the QR code printed on the inside of the back cover of the sensor to complete SmartStart inclusion.

**2. ACTIVATE the sensor**

While the hub is looking for new devices, **click the Z-Wave® button 3 times** as quickly as possible. The LED indicator will start flashing to confirm inclusion mode and turn off once inclusion is completed.

**TIP!**

It's best to add your sensor from the area where it will be installed so the hub can find the best route to reach it right away.

SmartStart enabled products can be added into a Z-Wave® network by scanning the Z-Wave® QR Code present on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity.

Choose your hub and scan the QR code with your phone's camera. Then click on the link to access the step-by-step pairing instructions.



Z-Box Hub



Hubitat



Home Assistant



SmartThings

**TROUBLESHOOTING**

**The sensor won't add to your system? Try this:**

1. Initiate **EXCLUSION** in your hub and click the Z-Wave® button 3 times as quickly as possible.
2. Click the Z-Wave® button **quicker** when adding it.
3. Bring the sensor **closer** to your hub, it may be out of range.
4. Double-check if the device is powered.
5. Get troubleshooting tips specific to your hub at [www.support.getzooz.com](http://www.support.getzooz.com)

**EXCLUSION (REMOVE DEVICE)**

1. Bring the sensor within **direct range** of your Z-Wave® hub.
2. Put the Z-Wave® hub into **exclusion** mode (not sure how to do that? ask@getzooz.com).
3. Click the **Z-Wave® button 3 times** as quickly as possible.
4. Your hub will confirm exclusion and the sensor will disappear from your controller's device list.

**FACTORY RESET**

When your network's primary controller is missing or otherwise inoperable, you may need to reset the device to factory settings manually. In order to complete the process, make sure the sensor is powered, then **click the Z-Wave® button twice and hold it the third time for 10 seconds**. The LED indicator will blink continuously. **Immediately after, click the Z-Wave button twice more to finalize the reset**. The LED indicator will flash 3 times to confirm a successful reset.

**NOTE: All previously recorded activity and custom settings will be erased from the device's memory.**

**WAKE-UP MODE**

The sensor's wake-up interval is set to 12 hours by default to save battery life. Use the Wake Up Command Class to adjust the interval. **Click the Z-Wave® button 4 times quickly to wake the sensor up manually**. The LED indicator will flash once to confirm the device is awake. During wake-up, the sensor turns the Z-Wave® radio on for one minute to receive communication from the hub. Long wake-up interval will not affect how often the sensor reports to your hub so we recommend leaving the default setting to conserve battery.

**ASSOCIATION**

The XS Sensor supports Group 1 for Lifeline communication and Group 2 with up to 5 devices for basic on/off control. This device will send a Basic Set command to Group 2 whenever it detects water. The value of the basic set command sent to Group 2 can be adjusted in the advanced settings to customize the sensor's behavior. Please note that not all Z-Wave® systems give users access to direct association settings so if you're not sure where to find it, please get in touch with our support and we'll be happy to help.

## ADVANCED SETTINGS

**Parameter 1:** Turn the **LED indicator** on (blinking) or off when a water leak is detected.

**Values:** 0 – LED indicator won't blink when the sensor detects a water leak; 1 – LED indicator will blink when the sensor detects a water leak (default).

**Size:** 1 byte dec

**Parameter 2:** Decide how long the sensor should report water leak detection after a leak is no longer detected on the sensor side.

**Values:** 0 - 3600 (seconds)

**Default:** 0 (reports "dry" to the hub immediately after a leak is no longer detected)

**Size:** 1 byte dec

**Parameter 4:** Decide when the sensor should report **low battery** to the hub.

**Values:** 10-50 (% battery life).

**Default:** 20

**Size:** 1 byte dec

**Click the Z-Wave® button 4 times quickly to wake the sensor up after updating the settings.**

We listed the most helpful settings above. For a complete list of parameters, please go to [www.support.getzooz.com](http://www.support.getzooz.com)

or scan the QR code

for a direct link to

all of the settings. >>>



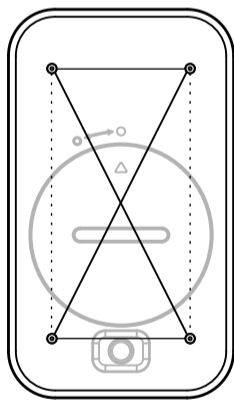
**Not sure how to access advanced settings on your hub? We'll help!**

**ask@getzooz.com**

## SENSOR PLACEMENT

### INDOOR PLACEMENT

1. We recommend including your sensor to the Z-Wave® network from the location you want to install it.
2. Choose a spot in the area you would like to monitor for water leaks which will not be easily accessible to pets or children to avoid it being misplaced.
3. Simply place the sensor on a flat surface with the 4 probes touching the ground for best results. The sensor will detect a leak when water reaches any of the 2 probe pairs shown in the below drawing.
4. Test the sensor by simulating a leak - it should start blinking and send a report to the hub when water is detected.



—•—•— Water detection between 2 points.

- - - - - NO water detection between 2 points.

### OUTDOOR PLACEMENT

1. This sensor is IP66 rated which means it is dust-tight and protected from heavy rainfall. We recommend placing the sensor under eave to prevent long exposure to direct sunlight when using it outdoors.
2. Add the sensor to Z-Wave® from the area where it will be installed for best connectivity results.
3. Simply place the sensor on flat surface you would like to monitor for leaks so that all 4 probes under the sensor are touching ground. The sensor will report a leak to the hub anytime water is present between any of the probe pairs pictured in the drawing.



Scan to register your product for extended warranty and direct access to firmware files.

## COMMAND CLASSES

ZWAVEPLUS\_INFO\_V2  
ASSOCIATION\_V3  
MULTI\_CHANNEL\_ASSOCIATION\_V4  
ASSOCIATION\_GRP\_INFO\_V3  
TRANSPORT\_SERVICE\_V2  
VERSION\_V2  
MANUFACTURER\_SPECIFIC  
DEVICE\_RESET\_LOCALLY  
POWERLEVEL  
BATTERY  
SECURITY\_2  
NOTIFICATION\_V8  
INDICATOR\_V3  
ENSOR\_BINARY\_V2  
CONFIGURATION\_V4  
WAKE\_UP\_V2  
SUPERVISION  
FIRMWARE\_UPDATE\_MD\_V5



This product can be included and operated in any Z-Wave® network with other Z-Wave® certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. This product features the latest Security 2 (S2) framework to remove smart home network hacking risks. This device is equipped with a unique authentication code for trusted wireless communication.

### ⚠ WARNING

- This product should be installed indoors or outdoors under eave upon completion of any building renovations.
- Prior to installation, the device should be stored in a dry, dust-and-mold-proof place.
- Do not install the device in a place with direct sun exposure, high temperature, or humidity.
- Keep away from chemicals, water, and dust.
- Ensure the device is never close to any heat source or open flame to prevent fire.
- No part of the device may be replaced or repaired by the user except for the batteries.

### WARRANTY

This product is covered under a 12-month limited warranty and 5-year extended warranty once registered. To read the full warranty policy, register your product, or file a warranty claim, please go to [ww.getzooz.com/warranty](http://ww.getzooz.com/warranty)

IN NO EVENT SHALL ZOOZ OR ITS SUBSIDIARIES AND AFFILIATES BE LIABLE FOR ANY INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL, OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, OR USE INCURRED BY CUSTOMER OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT, OR OTHERWISE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ZOOZ'S LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY FOR ANY CAUSE OF ACTION ARISING IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF THE PRODUCTS, WHETHER BASED ON NEGLIGENCE, STRICT LIABILITY, BREACH OF WARRANTY, BREACH OF AGREEMENT, OR EQUITABLE PRINCIPLES, IS EXPRESSLY LIMITED TO, AT ZOOZ'S OPTION, REPLACEMENT OF, OR REPAYMENT OF THE PURCHASE PRICE FOR THAT PORTION OF PRODUCTS WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. ALL CLAIMS OF ANY KIND ARISING IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF PRODUCTS SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING WITHIN THIRTY (30) DAYS FROM ZOOZ'S DELIVERY, OR THE DATE FIXED FOR DELIVERY IN THE EVENT OF NONDELIVERY.

### FCC NOTE

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. STORE INDOORS WHEN NOT IN USE. SUITABLE FOR DRY LOCATIONS ONLY. DO NOT IMMERSE IN WATER. NOT FOR USE WHERE DIRECTLY EXPOSED TO WATER.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following conditions:

1. This device may not cause harmful interference,
  2. This device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used according to instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in any given installation.

If this equipment causes harmful interference to radio or television reception, the user may try to correct the interference by taking one or more of the following measures:

- Reorient or relocate receiving antenna
- Increase the separation between equipment and receiver
- Connect equipment into a separate outlet or circuit from receiver
- Consult the dealer or an experienced radio/TV technician for additional assistance

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